

# Tropic Construction Solution



3 Washington, West Coast Berbice, Guyana, South America Tel: 592-628-4077 or 592-684-7220

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## Specification - PP Biaxial Geogrid BX3030

### Introduction

Biaxial geogrid is manufactured from polypropylene, mainly applied in strengthening soft ground of highway, railway, slope protecting projects, airfields etc. It can increase stability and loading capacity of fundus and prolong the project life.

Item	Test Method	Unit	MD	TD
Polymer	-	-	PP	-
Minimum Carbon Black	ASTM D 4218	%	2	-
Tensile Strength	ASTM D 6637	kN/m	30	30
Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	10.5	10.5
Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	21	21
Elongation	ASTM D 6637	%	13	13
Junction Efficiency	GRI GG2	%	93	93
Flexural Rigidity	ASTM D 7748	mg-cm	2,000,000	-
Aperture Stability	ASTM D 7864	m-N/deg	0.75	-
Aperture Size	-	mm	36	36
Roll Width	-	m	3.95	-
Roll Length	-	m	50	-

Note: MD = Machine Direction; TD = Transverse Direction.

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PET Nonwoven Geotextile is 100% Polyester continuous filament needle punched nonwoven geotextile.

## Applications:

- Filtration
- Separation
- Drainage
- Reinforcement

Properties	Test Method	Unit	RDNW200PET
Tensile Strength(MD/TD)	ASTM D4595	kN/m	13
Tensile Elongation(MD/TD)	ASTM D4595	%	60
Grab Tensile Strength(MD/TD)	ASTM D4632	N	730
Grab Elongation(MD/TD)	ASTM D4632	%	60
Trapezoidal Tear Strength(MD/TD)	ASTM D4533	N	330
CBR Burst Strength	ASTM D6241	N	2300
Pore Size O <sub>90</sub>	ASTM D4751	μm	110
Water Flow Q <sub>100</sub>	ASTM D4491	L/m <sup>2</sup> /s	180
U.V. Resistance	ASTM D4355	% @ 500h	70
Weight	ASTM D5261	g/m <sup>2</sup>	200
Roll Width	-	m	3.95
Roll Length	-	m	50

Distributors of Geotextile Fabrics, Geotextile Tubes, Gabion Mattress & Agriculture Products.